

IN THE CLAIMS

Please amend claims 1, 7 and 10 as follows:

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D1
→
1. (Currently Amended) An isolated nucleic acid molecule comprising a nucleic acid sequence selected from the group consisting of (a) a nucleic acid sequence that encodes a protein having an amino acid sequence selected from the group consisting of SEQ ID NO:6, SEQ ID NO:64, and SEQ ID NO:65, and variants thereof that are at least 95% identical to an amino acid sequence selected from the group consisting of SEQ ID NO:6, SEQ ID NO:64 and SEQ ID NO:65, wherein said protein has ccdysone receptor activity; and (b) a nucleic acid sequence fully complementary to a nucleic acid sequence of (a).

2. (Canceled)

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3. (Previously Amended) The nucleic acid molecule of Claim 1, wherein said nucleic acid molecule is selected from the group consisting of: ~~(a) a nucleic acid molecule~~ comprising a nucleic acid sequence selected from the group consisting of SEQ ID NO:5, SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:10.

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4. (Previously Amended) The nucleic acid molecule of Claim 1, wherein said nucleic acid molecule encodes a protein comprising an amino acid sequence selected from the group consisting of SEQ ID NO:6, SEQ ID NO:64, and SEQ ID NO:65.

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5. (Original) A recombinant molecule comprising a nucleic acid molecule as set forth in Claim 1 operatively linked to a transcription control sequence.

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6. (Original) ^{An isolated} recombinant cell comprising a nucleic acid molecule as set forth in Claim 1.

6
7. (Currently Amended) A method to produce a protein, said method comprising (a) culturing a cell transformed with an isolated nucleic acid molecule comprising a nucleic acid sequence that encodes a protein having an amino acid sequence selected from the group

consisting of SEQ ID NO:6, SEQ ID NO:64, and SEQ ID NO:65, and variants thereof that are at least 95% identical to an amino acid sequence selected from the group consisting of SEQ ID NO:6, ~~SEQ ID NO:64~~ and SEQ ID NO:65, wherein said protein has ecdysone receptor activity; and (b) recovering the expressed protein.

8. (Canceled)

7 ~~8~~. (Previously Amended) The method of Claim ⁶~~7~~, wherein said protein comprises an amino acid sequence selected from the group consisting of SEQ ID NO:6, SEQ ID NO:64, and SEQ ID NO:65.

8 ~~10~~. (Currently Amended) A composition comprising an excipient and an isolated nucleic acid molecule comprising a nucleic acid sequence selected from the group consisting of (a) a nucleic acid sequence that encodes a protein having an amino acid sequence selected from the group consisting of SEQ ID NO:6, SEQ ID NO:64, and SEQ ID NO:65, and variants thereof that are at least 95% identical to an amino acid sequence selected from the group consisting of SEQ ID NO:6, ~~SEQ ID NO:64~~ and SEQ ID NO:65, wherein said protein has ecdysone receptor activity; and (b) a nucleic acid sequence ^{the full length of} ~~fully complementary to a nucleic acid sequence of (a).~~

11. (Canceled)

9 ~~12~~. (Previously Amended) The composition of Claim ⁸~~10~~, wherein said nucleic acid molecule comprises a nucleic acid sequence selected from the group consisting of SEQ ID NO:5, SEQ ID NO:7, SEQ ID NO:8, and SEQ ID NO:10.

10 ~~13~~. (Previously Amended) The composition of Claim ⁸~~10~~, wherein said nucleic acid molecule encodes a protein comprising an amino acid sequence selected from the group consisting of SEQ ID NO:6, SEQ ID NO:64, and SEQ ID NO:65.